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PD - 1989-09-26
PR - JP19880063505 19880318
OPD - 1988-03-18
TI - STRAIGHT CHAIN LOW-DENSITY POLYETHYLENE RESIN
COLORED GRANULE AND PRELIMINARILY EXPANDED COLORED
GRANULE
IN - KUWABARA HIDEKI; HASHIBA MASAHIRO; NAITO MASATO;
TSURUKAI KAZUO
PA - JSP CORP
IC - C08J9/22

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TI - Linear low density polyethylene resin coloured particles for foaming
- comprises LLDPE resin with colouring agents and thermoplastic
resin having lower m. pt. than LLDPE
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PA - (JASY) JSP CORP
IC - C08J9/22
AB - J01240540 LLDPE resin coloured particles for foaming comprises
(A) LLDPE resin with (B) colouring agents and (C) thermoplastic
resin having m.pt. lower than that of the LLDPE resin contained.
LLDPE resin prefoamed, coloured particles are obtd. by
impregnating the LLDPE resin coloured particles with a volatile
blowing agent at high temp. under high pressure and discharging
the impregnated particles into a low pressure to expand. The m.pt.
of (C) is pref. 10-50 deg C lower than that of (A).
- Pref. (B) are organic pigments and carbon black. (C) is pref. LDPE
and/or ethylene-vinyl acetate copolymer. (A) is e.g. a copolymer of
ethylene and propylene or butene-1. The content of the propylene
or butene-1 is e.g. 0.5 to 5 mol%. The amt. of (B) and that of (C)
are e.g. 1 to 5 pts. wt. and 1 to 10 pts. wt., respectively, w.r.t. 100
pts. wt. of (A).
- USE/ADVANTAGE - Mouldings obtd. from the prefoamed, coloured
particles are used for packaging materials, cushioning materials,
and heat insulating materials. Coloured, expanded materials
exhibiting little contraction and being free of colour non-uniformity
are provided without ageing prefoamed, coloured particles. (0/0)

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IN - KUWABARA HIDEKI; others:03

PA - JSP CORP

TI - STRAIGHT CHAIN LOW-DENSITY POLYETHYLENE RESIN
COLORED GRANULE AND PRELIMINARILY EXPANDED COLORED
GRANULE

AB - PURPOSE: To obtain the present granules capable of giving foams of uniform air bubble size with uniform coloring and high coloring concentration, without the need for pressurized aging when expanded, by incorporating a straight chain low-density polyethylene resin with a thermoplastic resin of melting point lower than that of said polyethylene resin and a coloring agent.

- CONSTITUTION: A blend comprising (A) a straight chain low-density polyethylene resin, (B) a coloring agent (e.g., carbon black), and (C) a thermoplastic resin with its melting point lower than that of the component A by 10-50 deg.C (e.g., ethylene-vinyl acetate copolymer) is put to melt blending at 250 deg.C using an extruder to carry out extrusion followed by granulation in a pelletizer, thus obtaining the objective colored granules. These granules are left to stand at normal temperature and pressure and packed in a mold followed by molding on heating with a pressurized water vapor, thus obtaining a colored foam.

I - C08J9/22